

Shimaa Eissa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5056572/publications.pdf>

Version: 2024-02-01

58
papers

2,844
citations

201575

27
h-index

168321

53
g-index

58
all docs

58
docs citations

58
times ranked

3517
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments towards portable point-of-care diagnostic devices for pathogen detection. <i>Sensors & Diagnostics</i> , 2022, 1, 87-105.	1.9	31
2	Diagnostic biosensors for coronaviruses and recent developments. , 2022, , 261-278.		4
3	Determination of minimal sequence for zearalenone aptamer by computational docking and application on an indirect competitive electrochemical aptasensor. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3861-3872.	1.9	14
4	Voltammetric-based immunosensor for the detection of SARS-CoV-2 nucleocapsid antigen. <i>Mikrochimica Acta</i> , 2021, 188, 199.	2.5	59
5	Sensitive detection of mitragynine from <i>Mitragyna speciosa</i> Korth using an electrochemical immunosensor based on multiwalled carbon nanotubes/chitosan- modified carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130356.	4.0	10
6	Development of a Low-Cost Cotton-Tipped Electrochemical Immunosensor for the Detection of SARS-CoV-2. <i>Analytical Chemistry</i> , 2021, 93, 1826-1833.	3.2	173
7	Combination of Carbon Nanofiber-Based Electrochemical Biosensor and Cotton Fiber: A Device for the Detection of the Middle-East Respiratory Syndrome Coronavirus. <i>ACS Omega</i> , 2021, 6, 32072-32080.	1.6	11
8	InÂvitro selection of DNA aptamers and their integration in a competitive voltammetric biosensor for azlocillin determination in waste water. <i>Analytica Chimica Acta</i> , 2020, 1101, 149-156.	2.6	27
9	Diagnostic techniques for COVID-19 and new developments. <i>Talanta</i> , 2020, 220, 121392.	2.9	116
10	Ultrasensitive peptide-based multiplexed electrochemical biosensor for the simultaneous detection of <i>Listeria monocytogenes</i> and <i>Staphylococcus aureus</i> . <i>Mikrochimica Acta</i> , 2020, 187, 486.	2.5	54
11	Probing the influence of graphene oxide sheets size on the performance of label-free electrochemical biosensors. <i>Scientific Reports</i> , 2020, 10, 13612.	1.6	20
12	Voltammetric Label-free Immunosensors for the Diagnosis of Cystic Echinococcosis. <i>Electroanalysis</i> , 2020, 32, 1170-1177.	1.5	5
13	Electrochemical determination of zearalenone using a label-free competitive aptasensor. <i>Mikrochimica Acta</i> , 2020, 187, 266.	2.5	27
14	Selection, characterization, and electrochemical biosensing application of DNA aptamers for sepiapterin. <i>Talanta</i> , 2020, 216, 120951.	2.9	9
15	A dual electrochemical/colorimetric magnetic nanoparticle/peptide-based platform for the detection of <i>Staphylococcus aureus</i> . <i>Analyst</i> , 2020, 145, 4606-4614.	1.7	44
16	Disposable electrochemical immunosensor array for the multiplexed detection of the drug metabolites morphine, tetrahydrocannabinol and benzoyllecgonine. <i>Mikrochimica Acta</i> , 2019, 186, 523.	2.5	29
17	Electrochemical SELEX Technique for the Selection of DNA Aptamers against the Small Molecule 11-Deoxycortisol. <i>ACS Applied Bio Materials</i> , 2019, 2, 2624-2632.	2.3	29
18	An electrochemical immunosensor for the corona virus associated with the Middle East respiratory syndrome using an array of gold nanoparticle-modified carbon electrodes. <i>Mikrochimica Acta</i> , 2019, 186, 224.	2.5	322

#	ARTICLE	IF	CITATIONS
19	A comparison of the performance of voltammetric aptasensors for glycosylated haemoglobin on different carbon nanomaterials-modified screen printed electrodes. <i>Materials Science and Engineering C</i> , 2019, 101, 423-430.	3.8	23
20	Electrochemical selection of a DNA aptamer, and an impedimetric method for determination of the dedicator of cytokinesis 8 by self-assembly of a thiolated aptamer on a gold electrode. <i>Mikrochimica Acta</i> , 2019, 186, 828.	2.5	6
21	Antibodies versus Aptamers: A Comparative View. <i>RSC Detection Science</i> , 2019, , 303-331.	0.0	4
22	Truncated aptamers for total and glycosylated hemoglobin, and their integration into a graphene oxide-based fluorometric method for high-throughput screening for diabetes. <i>Mikrochimica Acta</i> , 2018, 185, 256.	2.5	26
23	A rapid colorimetric immunoassay for the detection of pathogenic bacteria on poultry processing plants using cotton swabs and nanobeads. <i>Mikrochimica Acta</i> , 2018, 185, 164.	2.5	33
24	Fluorometric graphene oxide-based detection of <i>Salmonella enteritis</i> using a truncated DNA aptamer. <i>Mikrochimica Acta</i> , 2018, 185, 61.	2.5	61
25	Rapid colorimetric lactoferrin-based sandwich immunoassay on cotton swabs for the detection of foodborne pathogenic bacteria. <i>Talanta</i> , 2018, 185, 275-280.	2.9	57
26	Electrochemical immunosensors for the detection of survival motor neuron (SMN) protein using different carbon nanomaterials-modified electrodes. <i>Biosensors and Bioelectronics</i> , 2018, 101, 282-289.	5.3	55
27	In Vitro Selection of Specific DNA Aptamers Against the Anti-Coagulant Dabigatran Etexilate. <i>Scientific Reports</i> , 2018, 8, 13290.	1.6	18
28	Carbon nanofiber-based multiplexed immunosensor for the detection of survival motor neuron 1, cystic fibrosis transmembrane conductance regulator and Duchenne Muscular Dystrophy proteins. <i>Biosensors and Bioelectronics</i> , 2018, 117, 84-90.	5.3	18
29	Development of Impedimetric Immunosensors for the Diagnosis of DOCK8 and STAT3 Related Hyper-immunoglobulin E Syndrome. <i>Electroanalysis</i> , 2018, 30, 2021-2027.	1.5	2
30	Multiplexed detection of DOCK8, PGM3 and STAT3 proteins for the diagnosis of Hyper-Immunoglobulin E syndrome using gold nanoparticles-based immunosensor array platform. <i>Biosensors and Bioelectronics</i> , 2018, 117, 613-619.	5.3	20
31	Selection and Characterization of DNA Aptamers for Electrochemical Biosensing of Carbendazim. <i>Analytical Chemistry</i> , 2017, 89, 3138-3145.	3.2	113
32	High affinity truncated DNA aptamers for the development of fluorescence based progesterone biosensors. <i>Analytical Biochemistry</i> , 2017, 525, 78-84.	1.1	72
33	Corrosion resistance of monolayer hexagonal boron nitride on copper. <i>Scientific Reports</i> , 2017, 7, 42139.	1.6	112
34	Competitive voltammetric morphine immunosensor using a gold nanoparticle decorated graphene electrode. <i>Mikrochimica Acta</i> , 2017, 184, 2281-2289.	2.5	36
35	Aptamer- Based Label-Free Electrochemical Biosensor Array for the Detection of Total and Glycosylated Hemoglobin in Human Whole Blood. <i>Scientific Reports</i> , 2017, 7, 1016.	1.6	67
36	Electrochemical Immunosensors for the Rapid Screening of Cystic Fibrosis and Duchenne Muscular Dystrophy. <i>Electroanalysis</i> , 2017, 29, 1911-1917.	1.5	8

#	ARTICLE	IF	CITATIONS
37	Ultrasensitive Label-free Electrochemical Immunosensors for Multiple Cell Surface Biomarkers on Liver Cancer Stem Cells. <i>Electroanalysis</i> , 2017, 29, 1994-2000.	1.5	10
38	In vitro selection of DNA aptamers targeting β -lactoglobulin and their integration in graphene-based biosensor for the detection of milk allergen. <i>Biosensors and Bioelectronics</i> , 2017, 91, 169-174.	5.3	96
39	Label-free Impedimetric Immunosensors for Liver Cancer Stem Cells. <i>Procedia Technology</i> , 2017, 27, 287-289.	1.1	4
40	Advances in Biosensor Technologies for Food Allergen Monitoring and Diagnosis. , 2017, , 289-310.		0
41	CHAPTER 14. Graphene-Based Biosensors for Food Analysis. <i>Food Chemistry, Function and Analysis</i> , 2016, , 327-353.	0.1	1
42	Aptamer-based competitive electrochemical biosensor for brevetoxin β . <i>Biosensors and Bioelectronics</i> , 2015, 69, 148-154.	5.3	131
43	Functionalized CVD monolayer graphene for label-free impedimetric biosensing. <i>Nano Research</i> , 2015, 8, 1698-1709.	5.8	59
44	Aptamer-Based Label-Free Impedimetric Biosensor for Detection of Progesterone. <i>Analytical Chemistry</i> , 2015, 87, 1075-1082.	3.2	140
45	Development of Electrochemical Aptamer-Based Biosensors for the Detection of Hormonal Contaminants in Water. <i>ECS Meeting Abstracts</i> , 2015, , .	0.0	0
46	Aptamer-Based Electrochemical Biosensors for Marine Toxins. <i>ECS Meeting Abstracts</i> , 2015, , .	0.0	0
47	Selection, Characterization, and Application of High Affinity Microcystin-Targeting Aptamers in a Graphene-Based Biosensing Platform. <i>ECS Meeting Abstracts</i> , 2015, , .	0.0	0
48	Label-Free Voltammetric Aptasensor for the Sensitive Detection of Microcystin-LR Using Graphene-Modified Electrodes. <i>Analytical Chemistry</i> , 2014, 86, 7551-7557.	3.2	126
49	Selection and Identification of DNA Aptamers against Okadaic Acid for Biosensing Application. <i>Analytical Chemistry</i> , 2013, 85, 11794-11801.	3.2	117
50	Design and Fabrication of Integrated Multianalyte Sensing Platform With Magnetic Micro-Coils. <i>Journal of Microelectromechanical Systems</i> , 2013, 22, 1339-1346.	1.7	2
51	A graphene-based label-free voltammetric immunosensor for sensitive detection of the egg allergen ovalbumin. <i>Analyst, The</i> , 2013, 138, 4378.	1.7	88
52	Selection, Characterization, and Biosensing Application of High Affinity Congener-Specific Microcystin-Targeting Aptamers. <i>Environmental Science & Technology</i> , 2012, 46, 10697-10703.	4.6	109
53	Electrochemical immunosensor for the milk allergen β -lactoglobulin based on electrografting of organic film on graphene modified screen-printed carbon electrodes. <i>Biosensors and Bioelectronics</i> , 2012, 38, 308-313.	5.3	129
54	A graphene-based electrochemical competitive immunosensor for the sensitive detection of okadaic acid in shellfish. <i>Nanoscale</i> , 2012, 4, 7593.	2.8	70

#	ARTICLE	IF	CITATIONS
55	Electrochemical study of glimepiride and its complexation with β -cyclodextrin. Collection of Czechoslovak Chemical Communications, 2011, 76, 13-25.	1.0	5
56	Electrochemical study of indapamide and its complexation with β -cyclodextrin. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 71, 95-102.	1.6	18
57	Voltammetric and spectrophotometric study on the complexation of glibenclamide with β -cyclodextrin. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2010, 68, 417-421.	1.6	12
58	Electrochemical Study of Gliclazide and Its Complexation with β -Cyclodextrin. Electroanalysis, 2010, 22, 2991-2996.	1.5	12